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LIST OF JOURNALS

The following list gives the full titles of journals referred to in *Science Abstracts*. The addresses given are believed to be correct, but no responsibility can be accepted for errors. Journals marked * are not received regularly.

A.C.E.C. Charleroi	*Ateliers de Constructions Electriques de Charleroi.* A.C.E.C., 56 Victoria Street, London, S.W.1.
A.R. Nat. Bur. Stand., Wash.	*Annual Report of the National Bureau of Standards.* United States Government Printing Office, Washington 25, D.C.
A.R. Nat. Res. Coun. Can.	*Annual Reports of the National Research Council of Canada.* Ottawa.
A.W.A. Tech. Rev.	*A.W.A. Technical Review.* Amalgamated Wireless Australasia, 554 Parramatta Road, Sydney.
**Acta Bolyaiana*	*Acta Bolyaiana.* The Bolyai University, Hungarian University of Roumania, Cluj.
**Acta Chem. Scand.*	*Acta Chemica Scandinavica.* Einar Munksgaard, Copenhagen.
Acta Cryst.	*Acta Crystallographica.* International Union of Crystallography, Cambridge University Press, Bentley House, Euston Road, London, N.W.1.
Acta Phys. Austriaca	*Acta Physica Austriaca.* Springer-Verlag, Mölkerbastei 5, Vienna I.
Acta Phys. Polon.	*Acta Physica Polonica.* Al. Slowackiego 15. m.g. Cracow.
Acta Polytech.	*Acta Polytechnica.* Royal Swedish Academy of Engineering Sciences, Stockholm.
Acta Pont. Acad. Sci.	*Acta Pontificia Academia Scientiarum.* Vatican City.
Acta Soc. Sci. Fennicae	*Acta Societas Scientiarum Fennicae.* Helsinki.
Adv. Electronics	*Advances in Electronics* (Ed. L. Martin). Academic Press, 125 E. 23r Street, New York 10.
**Advm. Sci.*	*Advancement of Science.* British Association for the Advancement o Science, Burlington House, London, W.1.
**Aero. Res. Coun. (Min. of Supply) Rep. Mem.*	*Aeronautical Research Council (Ministry of Supply) Reports an Memoranda.* H.M. Stationery Office, Kingsway, London, W.C.2.
Aero. Res. Rep. Coun. Sci. Industr. Res. Aust.	*Aeronautical Research Report. Council for Scientific and Industri Research, Commonwealth of Australia.* 314 Albert Street, Eas Melbourne, C.2, Victoria.
Agua y Energia	*Agua y Energia.* Uruguay No. 291, 1r. Piso, Buenos Aires.
Allis Chalmers Elect. Rev.	*Allis Chalmers Electrical Review.* Allis-Chalmers, Milwaukee Wisconsin.
Alta Frequenza	*Alta Frequenza.* Associazione Elettrotecnica Italiana, Via San Paolo 1 Milan.
**Amer. J. Math.*	*American Journal of Mathematics.* [Abstracted by *Applied Mechani Reviews.*]
Amer. J. Phys.	*American Journal of Physics.* American Institute of Physics, 57 E. 55 Street, New York 22.
Amer. J. Roentgenol. Radium Ther.	*American Journal of Roentgenology and Radium Therapy.* Charles Thomas, 310–27 East Lawrence Avenue, Springfield, Illinois.
**Amer. Soc. Test. Mater., Prepr.*	*American Society for Testing Materials, Preprints.* Philadelphi Pennsylvania.
**Amer. Stand.*	*American Standards.* American Standards Association, 70 East 45 Street, New York 17, N.Y.
An. Acad. Brasil. Ciênc.	*Anais da Academia Brasileira de Ciências.* Caixa Postal 229, Rio Janeiro.
An. Mec. y Elect.	*Anales de Mecanica y Electricidad.* Reina 31, Madrid.
An. Real Soc. Esp. Fís. y Quím.	*Anales de la Real Sociedad Española de Física y Química.* Ciud Universitaria, Madrid.
Analyt. Chem.	*Analytical Chemistry.* [Formerly *Industr. Engng Chem.* (*Analyt. Edi* 20th and Northampton Street, Easton, Pennsylvania.
**Angew. Chem.*	*Angewandte Chemie.* Verlag Chemie, Hauptstr. 127, Weinheim/Bergs 17 (a), Germany.
Ann. Acad. Sci. Fennicae, Ser. A III.	*Annales Academiæ Scientiarum Fennicae, Ser. A III. Geologica-Geographi* Helsinki.
Ann. Astrophys.	*Annales d'Astrophysique.* 3 and 5 Boulevard Pasteur; 165 Rue de Sèvr Paris (XV^e).
**Ann. Fac. Phil. Univ. Skopje (Sect. Sci. Nat.)*	*Annuaire de la faculté de philosophie de l'Université de Skopje (Sect des sciences naturelles).* Institut de Physique de l'Université d'E Skopje (Macedoine), Postanski fah 55, Yugoslavia.
**Ann. Fac. Sci. Univ. Toulouse*	*Annales de la Faculté des Sciences de l'Université de Toulouse pour Sciences Mathématiques et les Sciences Physiques.* [Abstracted *Mathematical Reviews.*]
Ann. Franç. Chronom.	*Annales Françaises de Chronometrie.* Observatoire National Besançon.
Ann. Geofis.	*Annali di Geofisica.* Istituto Nazionale di Geofisica, Città Universita Rome.
Ann. Harv. Coll. Obs.	*Annals of the Harvard College Observatory.* The Observatory, C bridge, Mass.
Ann. N.Y. Acad. Sci.	*Annals of the New York Academy of Sciences.* Central Park West 79th Street, New York 24.
Ann. Phys., Lpz.	*Annalen der Physik.* J. A. Barth, Salomonstrasse 18B, Leipzig C1.
Ann. Phys., Paris	*Annales de Physique.* Masson et Cie, 120 Boulevard Saint-Germ Paris (VI^e).
Ann. Radioeléctricité	*Annales de Radioélectricité.* Compagnies Françaises Associées de T. 79 Boulevard Haussmann, Paris.
Ann. Sci. Univ. Jassy	*Annales Scientifique de l' Université de Jassy.* Jassy.
Ann. Soc. Sci. Brux.	*Annales de la Société Scientifique de Bruxelles.* 11 Rue des Recol Louvain.
Ann. Solar Phys. Obs., Camb.	*Annals of the Solar Physics Observatory, Cambridge.* Cambridge versity Press, Bentley House, Euston Road, London, N.W.1.

LIST OF JOURNALS

Ann. Télécommun.	*Annales de Télécommunication.* Centre National d'Etudes des Télécommunications, 24 rue Morère, Paris (XIV^{e}).
**Ann. Univ. Ferrara*	*Annali della Università di Ferrara.* [Abstracted by *Mathematical Reviews.*]
**Ann. Univ. Grenoble*	*Annales de l' Université de Grenoble.* Grenoble.
**Ann. Univ. M. Curie-Sklodowska*	*Annales Universitatis M. Curie-Sklodowska.* Lublin.
Appl. Sci. Res.	*Applied Scientific Research.* Martinus Nijhoff, The Hague.
**Arch. Biochem.*	*Archives of Biochemistry.* Academic Press, Prince and Lemon Streets, Lancaster, Pennsylvania.
Arch. elekt. Übertragung	*Archiv der elektrischen Übertragung.* Mühlweg 2, Wiesbaden-Biebrich.
Arch. Elektrotech.	*Archiv für Elektrotechnik.* Springer-Verlag, Jebenstr. 1, Berlin—Charlottenburg.
**Arch. Math. Naturwidensk.*	*Archiv for Mathematik og Naturwidenskab.* Cammermeyers Bokhandel, Oslo.
**Arch. Metallkde*	*Archiv für Metallkunde.* Verlag Chemie Hauptstr. 127, Weinheim/Bergstrasse 17 (a), Germany.
Arch. Sci.	*Archives des Sciences.* [Formerly *Archives des Sciences Physiques et Naturelles.*] Institut de Physique de l'Université, Geneva.
Arch. tech. Messen	*Archiv für technisches Messen.* Leibniz Verlag, Lotzbeckstr. 2b, Munich.
Ark. Astr.	*Arkiv för Astronomi.* [Formerly *Arkiv för Matematik, Astronomi och Fysik.*] Kungl. Svenska Vetenskapsakademien, Stockholm.
Ark. Fys.	*Arkiv för Fysik.* [Formerly *Arkiv för Matematik, Astronomi och Fysik.*] Kungl. Svenska Vetenskapsakademien, Stockholm.
Ark. Geofys.	*Arkiv för Geofysik.* Kungl. Svenska Vetenskapsakademien, Stockholm.
Ark. Kemi	*Arkiv för Kemi.* [Formerly *Arkiv för Kemi, Mineralogi och Geologi.*] Kungl. Svenska Vetenskapsakademien, Stockholm.
Ark. Kemi Min. Geol.	[See *Ark. Kemi; Ark. Min. Geol.*]
Ark. Mat.	*Arkiv för Matematik.* [Formerly *Arkiv för Matematik, Astronomi och Fysik.*] Kungl. Svenska Vetenskapsakademien, Stockholm.
Ark. Mat. Astr. Fys.	[See *Ark. Mat.; Ark. Astr.; Ark. Fys.*]
Ark. Min. Geol.	*Arkiv för Mineralogi och Geologi.* [Formerly *Arkiv för Kemi, Mineralogi och Geologi.*] Kungl. Vetenskapsakademien, Stockholm.
Asea J.	*Asea Journal.* ASEA Electric Ltd., Fulbourne Road, London, E.17; Allmänna Svenska Elektriska AB, Västerås.
**Astr. J.*	*Astronomical Journal.* Dudley Observatory, Albany, N.Y.
**Astr. J., USSR*	*Astronomical Journal, USSR.* B. Cherkasskii per., d 2, Akademkniga, Moscow.
**Astr. Nachr.*	*Astronomische Nachrichten.* Akademie-Verlag, Schiffbauerdamm 19, Berlin, N.W.7.
Astr. News Lett.	*Astronomical News Letter.* Harvard College Observatory, Cambridge, Mass.
Astrophys. J.	*Astrophysical Journal.* University of Chicago Press, 5750 Ellis Avenue, Chicago.
Atomics	*Atomics.* (Incorporating *Forecast.*) Leonard Hill Technical Group, 17 Stratford Place, London, W.1.
**Atti Accad. d'Italia (Mem. Cl. Sci. Fis. Mat. Nat.)*	*Atti dell'Accademia d'Italia. Memorie della Classe di Scienze Fisiche, Matematiche e Naturali.* Rome.
**Atti Accad. d'Italia (R.C. Cl. Sci. Fis. Mat. Nat.)*	*Atti dell'Accademia d'Italia. Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali.* Rome.
Atti Accad. Naz. Lincei (Mem. Cl. Sci. Fis. Mat. Nat.)	*Atti dell' Accademia Nazionale di Lincei. Memorie della Classe di Scienze Fisiche, Matematiche e Naturali.* Rome.
Atti Accad. Naz. Lincei (R.C. Cl. Sci. Fis. Mat. Nat.)	*Atti dell' Accademia Nazionale di Lincei. Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali.* Rome.
**Atti Accad. Sci. Torino*	*Atti dell' Accademia delle Scienze di Torino.* Via Accademia delle Scienze 6 and Via Maria Vittoria 3, Turin (101).
**Atti Congr. Marconiana Radio*	*Atti del Congresso Internazionale per il Cinquantenario della Scoperta Marconiana della Radio.* Consiglio Nazionale delle Ricerche, Piazzale delle Scienze 7, Rome.
Atti Fond. "Giorgio Ronchi"	*Atti Fondazione "Giorgio Ronchi."* Via S. Leonardo 79, Firenze-Arcetri, Italy.
Audio Engng	*Audio Engineering.* Radio Magazines, 342 Madison Avenue, New York 17.
Aust. J. Sci. Res. A.	*Australian Journal of Scientific Research.* Council for Scientific and Industrial Research, 314 Albert Street, East Melbourne, C.2, Victoria.
**Avtomat. i Telemekh.*	*Avtomatika i Telemekhanika.* Institute of Automatics and Telemechanics. Moscow Centre, Mal. Kharitonievsky, Per 4, Moscow.
B.B.C. Quart.	*B.B.C. Quarterly.* Broadcasting House, Portland Place, London, W.1.
**Bányász. Kohász. Lap.*	*Bányászati és Kohászati Lapok.* Pasarati-ut 106, Budapest II.
Beama J.	*Beama Journal.* The British Electrical and Allied Manufacturers' Association, 36 Kingsway, London, W.C.2.
Bell Lab. Rec.	*Bell Laboratory Record.* American Telephone and Telegraph Co., 195 Broadway, New York.
Bell Syst. Tech. J.	*Bell System Technical Journal.* American Telephone and Telegraph Co., 195 Broadway, New York.
Bell. Teleph. Mag.	*Bell Telephone Magazine.* American Telephone and Telegraph Co., 195 Broadway, New York.
Bergens Museums Årb.	*Bergens Museums Årbok.* Universitetsbiblioteket, Bergen.
**BIOS Rep.*	*BIOS Reports.* H.M. Stationery Office, Kingsway, London, W.C.2.
Bol. Acad. Cienc., Venezuela	*Boletín de la Academia de Ciencias Físicas, Matematicas y Naturales.* Caracas.
Bol. Fac. Ing. Montevideo	*Boletín da la Facultad de Ingenieria de Montevideo.* Cerrite 73, Montevideo.

LIST OF JOURNALS

Brit. J. Radiol.	*British Journal of Radiology.* British Institute of Radiology, 32 Welbeck Street, London, W.1.
Brit. Med. Bull.	*British Medical Bulletin.* Medical Department, British Council, 3 Hanover Street, London, W.1.
Brit. Stand.	*British Standards.* British Standards Institution, 24–8 Victoria Street, London, S.W.1.
**Brown Boveri Co. Nachr.*	*Brown Boveri Company Nachrichten.* Mannheim.
Brown Boveri Rev.	*Brown Boveri Review.* British Brown-Boveri, Artillery Mansions, 75 Victoria Street, London, S.W.1.
**Bruel and Kjaer Tech. Rev.*	*Bruel and Kjaer Technical Review.* [Abstracted by *Metropolitan-Vickers Electrical Co. Ltd.*]
BTH Activ.	*BTH Activities.* British Thomson-Houston, Rugby.
Bull. Acad. Roy. Belg. Cl. Sci.	*Bulletin de la Classe des Sciences de l'Académie Royale de Belgique.* Palais des Académies, rue Ducale 1, Brussels.
Bull. Acad. Sci. URSS, Dép. Tech. Sci.	*Bulletin de l'Académie des Sciences de l'URSS, Département des Sciences Techniques.* [See *Izv. Akad. Nauk, SSSR, Otdel. Tekn. Nauk.*]
Bull. Acad. Sci. URSS, Sér. Phys.	*Bulletin de l'Académie des Sciences de l'URSS, Séries Physiques.* [See *Izv. Akad. Nauk, SSSR, Ser. Fiz.*]
**Bull. Amer. Ceram. Soc.*	*Bulletin of the American Ceramic Society.* 20th and Northampton Street, Easton, Pennsylvania.
Bull. Amer. Met. Soc.	*Bulletin of the American Meteorological Society.* Prince and Lemon Street, Lancaster, Pennsylvania.
Bull. Ass. Suisse Elect.	*Bulletin de l'Association Suisse des Electriciens.* Secrétariat Général de l'A.S.E. et de l'U.C.S. Seefeldstrasse 301, Zürich 8.
Bull. Astr., Paris	*Bulletin Astronomique.* Librairie Gauthier-Villars, Quai des Grands-Augustins 55, Paris.
Bull. Calcutta Math. Soc.	*Bulletin of the Calcutta Mathematical Society.* 92 Upper Circular Road, Calcutta.
**Bull. Cent. Obs. Poulkovo*	*Bulletin of the Central Observatory at Poulkovo.*
Bull. Ecole Polyt. Jassy	*Bulletin de l' Ecole Polytechnique de Jassy.* Jassy.
Bull. Géod.	*Bulletin Géodésique.* Bureau Central de l'Association Internationale de Géodésie, 19 rue Auber, Paris (IX^e).
Bull. Harv. Coll. Obs.	*Bulletin of the Harvard College Observatory.* The Observatory, Cambridge, Massachusetts.
**Bull. Inst. Nat. Rech. Tech. Roumanie*	*Bulletin de l'Institut National de Recherches Technologiques de Roumanie.* Strada Gabriel Peri 3, Bucharest III.
Bull. Int. Acad. Polonaise Sci. Lett.	*Bulletin International de l'Académie Polonaise des Sciences et des Lettres.* Cracow.
Bull. Int. Acad. Tchèque Sci.	*Bulletin International Académie Tchèque des Sciences.* Česká Akademie Věd a Umění, Narodní tř. 3, Prague.
Bull. Int. Inst. Refrig.	*Bulletin of the International Institute of Refrigeration* [English edition]. 9 Avenue Carnot, Paris (XVII^e).
Bull. Int. Rly Congr. Ass.	*Monthly Bulletin of the International Railway Congress Association* [English edition]. 19 rue du Beau-Site, Brussels.
Bull. Math. Biophys	*Bulletin of Mathematical Biophysics.* University of Chicago Press 5750 Ellis Avenue, Chicago.
Bull. Oerlikon	*Bulletin Oerlikon.* Ateliers de Constructions Oerlikon, Zürich; Oerlikon Ltd., Victoria House, Southampton Row, London, W.C.1.
Bull. Sci. Ass. Ing. Elect. Montefiore	*Bulletin Scientifique de l'Association des Ingénieurs Electriciens sortis de l'Institut Electrotechnique Montefiore.* [Formerly *Bull. Ass. Ing. Elect Montefiore.*] 31 Rue Saint Gilles, Liége.
Bull. Seism. Soc. Amer.	*Bulletin of the Seismological Society of America.* University of Chicago Press, Berkeley, California.
Bull. Soc. Belge Elect.	*Bulletin de la Société Belge des Electriciens.* 8 rue Sabatier, Marcinelle.
**Bull. Soc. Chim. Belgrade*	*Bulletin de la Société Chimique de Belgrade.* [Abstracted by the *International Institute of Refrigeration.*]
Bull. Soc. Franç. Elect.	*Bulletin de la Société Française des Electriciens.* 8–14 Avenue Pierre Larousse, Malakoff (Seine).
**Bull. Soc. Franç. Min.*	*Bulletin de la Société Française de Mineralogie.* Masson et Cie, 120 Boulevard Saint-Germain, Paris (VI^e).
Bull. Soc. Roumaine de Phys.	*Bulletin de la Société Roumaine de Physique.* Laboratoire d'Acoustique et Optique, Université de Bucarest, Strada Academiei 14, Bucharest.
Bull. Soc. Roy. Belge Ingén. Ind.	*Bulletin de la Société Royale Belge des Ingénieurs et des Industriels* 3 Rue Ravenstein, Brussels.
Bull. Univ. Ill. Engng Exp. Sta.	*Bulletin of the University of Illinois Engineering Experiment Station* Urbana.

C.R. Acad. Bulg. Sci. (Sci. Math. Nat.)	*Comptes Rendus de l'Académie Bulgare des Sciences (Sciences Mathematiques et Naturelles).* Sofia.
C.R. Acad. Sci., Paris	*Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* Librairie Gauthier-Villars, Quai des Grands-Augustins 55, Paris.
C.R. Acad. Sci. URSS	*Comptes Rendus de l'Académie des Sciences de l'URSS.* [See *Dokl. Akad. Nauk, SSSR.*]
Câbles & Transm.	*Câbles et Transmission.* SOTELEC, 16 rue de la Beaume, Paris (VIII^e).
**Cah. de Phys.*	*Cahiers de Physique.* 3 and 5 Boulevard Pasteur, Paris (XV^e).
Canad. J. Res. A–F	*Canadian Journal of Research, Sections A–F.* The National Researc Council of Canada, Ottawa.
Čas. Pěst. Mat. Fis.	*Časopis pro Pěstování Matematiky a Fisiky.* Žitna 25, Prague II.
**Cent. Sci. Tech. Batiment, Monogr.*	*Centre Scientifique et Technique du Batiment, Monographe.* 31 Aven Pierre I^{er}-de-Serbie, Paris (XVI^e).
**Chem. Engng News*	*Chemical and Engineering News.* 20th and Northampton Street, Easto Pennsylvania.

Chem. Rev.	*Chemical Reviews.* The Williams and Wilkins Company, Mt Royal and Guilford Avenues, Baltimore 2, Maryland.
**Chem. Weekbl.*	*Chemisch Weekblad.* Centen's Uitgevers Maatschappij, Sarphatikade 12, Amsterdam.
Chimia	*Chimia.* Rascher-Verlag, Zürich.
Chin. J. Phys.	*Chinese Journal of Physics.* Chinese Physical Society, National Academy of Peiping, 42 Tung Huang Cheng Ken, Peiping.
Cienc. y Tecn.	*Ciencia y Tecnica.* Calle Peru 272, Buenos Aires.
Circ. Harvard Coll. Obs.	*Circular of the Harvard College Observatory.* Cambridge, Massachusetts.
Circ. Nat. Bur. Stand., Wash.	*Circulars of the National Bureau of Standards.* U.S. Government Printing Office, Washington 25, D.C.
Circ. Un. Obs. S. Afr.	*Circular of the Union Observatory.* Johannesburg.
Cirk. TelegrStyr. Tekn. Byrå	*Cirkulär från Telegrafstyrelsens Tekniska Byrå.* Stockholm.
**Coll. Czech. Chem. Commun.*	*Collection of Czechoslovak Chemical Communications.* [Abstracted by *British Abstracts.*]
**Colloid J. USSR*	*Colloid Journal of the USSR.* [Abstracted by *British Abstracts.*]
Colo. Sch. Min. Quart.	*Colorado School of Mines Quarterly.* Golden, Colorado.
**Combustion*	*Combustion.* 200 Madison Avenue, New York 16, New York.
Comment. Phys. Math., Helsingf.	*Commentationes Physico-Mathematicae.* Societas Scientiarum Fennicae. Helsinki.
**Comment. Pont. Acad. Sci.*	*Commentationes Pontificia Academia Scientiarum.* Vatican City.
Commun. News	*Communication News.* Philips Electrical, Century House, Shaftesbury Avenue, London, W.C.2.
Commun. Pure Appl. Math.	*Communications on Pure and Applied Mathematics.* Interscience Publishers, 215 Fourth Avenue, New York 3: 2a Southampton Row, London, W.C.1.
Commun. Rev.	*Communication Review.* Communication Engineering Pty Ltd., 18 Hunter Street, Sydney.
Communications	*Communications.* Bryan Davis Publishing Co., 52 Vanderbilt Avenue, New York 17.
Conf. Int. Gr. Rés. Elect. [*CIGRE*]	*Conférence Internationale des Grands Réseaux Electriques.* 112 Boulevard Haussmann, Paris.
Contr. Dom. Obs., Ottawa	*Contributions from the Dominion Observatory, Ottawa.* Department of Mines and Resources, Ottawa.
Contr. Meteor. Soc.	*Contributions of the Meteoritical Society.* 1010 Morningside Drive, Fort Worth 3, Texas.
**Corrosion Mater. Protect.*	*Corrosion and Material Protection.* Corrosion Publishing Company, 1131 Wolfendale Street, Pittsburgh, Pennsylvania. [Publication ceased Oct., 1948.]
Curr. Sci.	*Current Science.* Current Science Assocation, Bangalore.
Dep. Sci. Industr. Res. Radio Res. Rep.	*Department of Scientific and Industrial Research, Radio Research Reports.* Dorland House, 14–16 Regent Street, London, S.W.1.
Disc. Faraday Soc.	*Discussions of the Faraday Society.* Gurney and Jackson, 98 Great Russell Street, London, W.C.2; Tweeddale Court, Edinburgh.
**Distrib. Elect.*	*Distribution of Electricity.* W. T. Henley's Telegraph Works, 51–3 Hatton Garden, London, E.C.1.
Dokl. Akad. Nauk, SSSR	*Doklady Akademii Nauk, SSSR.* Moscow and Leningrad.
Dyna	*Dyna.* Navarra 1–1°, Bilbao.
Econ. Proc. Roy. Dublin Soc.	*Economic Proceedings of the Royal Dublin Society.* Ballsbridge, Dublin.
**Edison Elect. Inst. Bull.*	*Edison Electric Institute Bulletin.* 402 Lexington Avenue, New York 17, New York.
Elect. Commun.	*Electrical Communication.* International Telephone and Telegraph Corporation, 67 Broad Street, New York; Connaught House, Aldwych, London, W.C.2.
Elect. Engng, N.Y.	*Electrical Engineering.* American Institute of Electrical Engineers, 33 West 39th Street, New York.
**Elect. Industr.*	*Electrical Industries.* 23 Great Queen Street, London, W.C.2.
Elect. Light Pwr	*Electric Light and Power.* 360 N. Michigan Avenue, Chicago 1, Illinois.
Elect. Rev., Lond.	*Electrical Review.* Dorset House, Stamford Street, London, S.E.1.
Elect. Times	*Electrical Times.* Sardinia House, Sardinia Street, London, W.C.2.
Elect. World, N.Y.	*Electrical World.* McGraw-Hill Publishing Co., 330 West 42nd Street, New York; Aldwych House, London, W.C.2.
Electrician	*Electrician.* Bouverie House, 154 Fleet Street, London, E.C.4.
Electro-techniek	*Electro-techniek.* Moorman's Periodieke Pers, The Hague.
Electronic Engng	*Electronic Engineering.* 28 Essex Street, London, W.C.2.
Electronica	*Electronica.* Uitgevers Mij Diligentia, Kalverstraat 35, Amsterdam.
Electronics	*Electronics.* McGraw-Hill Publishing Co., 330 West 42nd Street, New York; Aldwych House, London, W.C.2.
**Electronics Forum*	*Electronics Forum.* Institution of Electronics, 24 Buckingham Street, London, W.C.2.
Electrotechnics	*Electrotechnics.* Indian Institute of Science, Bangalore 3.
Elekt. St.	*Elektricheskie Stantsii.* Ministry of Electric Power Stations. Vetoshnui Per, Moscow.
Elektrichestvo	*Elektrichestvo.* Cherkasski Per, Moscow.
Elektrizitätswirtschaft	*Elektrizitätswirtschaft.* Maschmühlenweg 8–10, Göttingen.
Elektroingeniøren	*Elektroingeniøren.* Dansk Ingeniørforening, 29 Vester Farimagsgade, Copenhagen. [Publication ceased.]

Elektrotech. u. Maschinenb. [*EuM*]	*Elektrotechnik und Maschinenbau.* Springer-Verlag, Mölkerbastei 5 Vienna I.
Elektrotech. Obz.	*Elektrotechnicky Obzor.* Vocelova 3, Prague XII.
Elektrotech. Z. [*ETZ*]	*Elektrotechnische Zeitschrift.* Verband Deutscher Elektrotechniker Friedrich Ebertstr. 111, Wuppertal-Eberfeld.
Elektrotechnik, Berlin	*Elektrotechnik.* Verlag Technik, Dorotheenstrasse 41, Berlin, N.W.7.
Elektrotechnika	*Elektrotechnika.* V. Honvéd-u. 22, Budapest.
Elektroteh. Vestn.	*Elektrotehniski Vestnik.* Elektroinstitut Universe, Aškeročva ul. 11, Lubljana, Yugoslavia.
Elektrotek. Tidsskr.	*Elektroteknisk Tidsskrift.* Fuglehauggt 11, Oslo.
Elektroteknikeren	*Elektroteknikeren.* Østbanegade 7, Copenhagen Ø.
**Elettronica*	*Elettronica.* Via Garibaldi 16, Turin.
Elettrotecnica	*Elettrotecnica.* Associazione Elettrotecnica Italiana, Via S. Paolo 10, Milan.
Endeavour	*Endeavour.* 26 Dover Street, London, W.1.
Energia Elett.	*Energia Elettrica.* Via Revere 14, Milan.
Engineer, Lond.	*The Engineer.* 28 Essex Street, London, W.C.2.
Engineering	*Engineering.* 35–36 Bedford Street, London, W.C.2.
Engl. Elect. J.	*English Electric Journal.* English Electric Co., Stafford.
**Engng Boil. Ho. Rev.*	*Engineering and Boiler House Review.* Engineering Review Publishing Co. Ltd., 23 Great Queen Street, London, W.C.2.
Engng Bull.	*Engineering Bulletin.* Siemens Brothers and Co. Ltd., Woolwich, London, S.E.18.
Engng J., Montreal	*The Engineering Journal.* Engineering Institute of Canada, 2050 Mansfield Street, Montreal.
ERA, Stockholm	*ERA.* Föreningen för Elektricitetens Rationella Användning, Stockholm 3.
Erda	*Erda.* Electrical and Radio Development Association of New South Wales, Assembly Building, 1 Jamieson Street, Sydney.
Ericsson Rev.	*Ericsson Review.* L. M. Ericsson, Stockholm.
Ericsson Tech.	*Ericsson Technics.* L. M. Ericsson, Stockholm.
**Escher Wyss News*	*Escher Wyss News.* Escher Wyss Engineering Works Ltd., Zürich.
Euclides	*Euclides.* Martires Concepcionistas 13, Madrid.
Experientia	*Experientia.* E. Birkhäuser, Elisabethenstrasse 15, Basle.
Fernmeldetech. Z. [*FTZ*]	*Fernmeldetechnische Zeitschrift.* Friedr. Vieweg & Sohn, Brunswick.
Fertigungstech.	*Fertigungstechnik* [Issued with *Die Technik*]. Verlag Technik, Dorotheenstrasse 41, Berlin, N.W.7.
FIAT Rep.	*FIAT Reports.* H.M. Stationery Office, Kingsway, London, W.C.2.
**FIAT Rev. German Sci.* (1939–46)	*FIAT Review of German Science* (1939–1946). Office of Military Government of Germany (U.S. Economics Division, Research Control Branch), Berlin. APO 742, U.S. Army.
**Forsvarets ForsknInst. Årb.*	*Forsvarets Forskningsinstitut Årbok.* Norwegian Defence Research Establishment, Storgaten 33, Oslo.
**Fortschr. d. Tech.*	*Fortschritte der Technik.* Georg Siemens Verlagsbuchhandlung, Berlin.
Frequenz	*Frequenz.* Schiele & Schön, Leuschnerdamm 13, Berlin, S.O. 36.
Fuel	*Fuel.* Butterworths Scientific Publications, 436 Strand, London, W.C.2.
Funk-Praxis	*Funk-Praxis.* Stiftstrasse 15, Hamburg 1.
Funk u. Ton	*Funk und Ton.* Verlag für Radio-Foto-Kinotechnik, Eichborndamm 141/167, Berlin-Borsigwalde.
G.E.C. J.	*G.E.C. Journal.* General Electric Co., Magnet House, Kingsway London, W.C.2.
G.E.C. Telecommun.	*G.E.C. Telecommunications.* General Electric Co., Telephone Works Coventry.
Gas Wld	*Gas World.* [Abstracted by *Fuel Abstracts.*]
Gaz. Mat.	*Gazeta de Matemática.* Rua Serpa Pinto 17, Lisbon.
**Gazz. Chim. Ital.*	*Gazzetta Chimica Italiana.* Via IV Novembre 154, Rome.
Gen. Elect. Rev.	*General Electric Review.* General Electric Co., Schenectady, New York Crown House, Aldwych, London, W.C.2.
Gen. Radio Exp.	*General Radio Experimenter.* Cambridge, Massachusetts.
Geofis. Pura Appl.	*Geofisica Pura e Applicata.* Istituto Geofisica Italiano, Casella Postal 3689, Milan-Ferrovia.
Geofys. Publ.	*Geofysiske Publikationer.* Norske Meteorologiske Institut, Oslo.
Geophysics	*Geophysics.* Society of Exploration Geophysicists, 817 South Boulde Box 1614, Tulsa 1, Oklahoma.
Gidrotekh. Stroit.	*Gidrotekhnicheskoe Stroitelstvo.* Krasnaya Ploshchad, Gum, II Liniya Pomeshchenie 165, Moscow.
Guide Russ. Sci. Period. Lit.	*Guide to Russian Scientific Periodical Literature.* Brookhaven Nationa Laboratory, Upton, Long Island, New York.
Handb. U.S. Bur. Stand.	*Handbook of the National Bureau of Standards.* U.S. Governme Printing Office, Washington.
Hebrew Tech. Coll., Haifa, Sci. Publ.	*Hebrew Technical College, Haifa, Scientific Publications.* Haifa.
Helv. Phys .Acta	*Helvetica Physica Acta.* E. Birkhäuser, Elisabethenstrasse 15, Basle.
Houille Blanche	*La Houille Blanche.* Rue Paul-Verlaine, Grenoble (Isère).
**Hrvatsko Prirodoslovno Društvo. Glasnik Mat.-Fis. Astr. Ser. II*	*Hrvatsko Prirodoslovno Društvo. Glasnik Matematičko-Fizički i Astr nomski.* Periodicum Mathematico-Physicum et Astronomicu Societas Scientiarum Naturalium Croatica. [Abstracted by *Math matical Reviews.*]

Hungar. Acta Phys.	*Hungarica Acta Physica.* Hungarian Academy of Sciences, Akadémia-utca 2, Budapest V.
Illum. Engng, N.Y.	*Illuminating Engineering.* Mt. Royal and Guilford Avenues, Baltimore, Maryland.
Ind. Ital. Elettrotec.	*Industria Italiana Elettrotecnica.* Via Revere 14, Milan.
*Ind. Plast.	*Industrie Plastique.* [Abstracted by *British Abstracts.*]
Indian J. Phys.	*Indian Journal of Physics (and Proceedings of the Indian Association for the Cultivation of Science).* 210 Bowbazar Street, Calcutta.
Industr. Diamond Rev.	*Industrial Diamond Review.* 226 Latymer Court, Hammersmith, London, W.6.
Industr. Engng Chem.	*Industrial and Engineering Chemistry.* American Chemical Society, 20th and Northampton Street, Easton, Pennsylvania.
Ing. Ferroviaria	*Ingegneria Ferroviaria. Rivista dei Trasporti.* Presso Direzione Generale delle F.S., Piazza Croce Rossa, Rome.
Ingenieur	*De Ingenieur.* Koninklijk Instituut van Ingenieurs, 23 Prinsessegracht, The Hague.
Ingeniøren	*Ingeniøren.* Dansk Ingeniørforening. 29 Vester Farimagsgade, Copenhagen V.
IngenVetensAkad. Handl.	*Ingeniörsvetenskapsakademien Handlingar.* Grevturegatan 14, Stockholm 1.
IngenVetensAkad. Medd.	*Ingeniörsvetenskapsakademien Meddelanden.* Grevturegatan 14, Stockholm 1.
IngenVidensk. Skr.	*Ingeniørvidenskabelige Skrifter.* Akademiet for de Tekniske Videnskaber. Østervoldgade 10, Copenhagen K.
Inst. Petrol. Rev.	*Institute of Petroleum Review.* Manson House, 26 Portland Place, London, W.1.
Inst. Roy. Met. Belg. Mém.	*Institut Royal Météorologique de Belgique. Mémoires.* 3 Avenue Circulaire, Uccle III, Belgium.
Inst. Roy. Met. Belg. Misc.	*Institut Royal Météorologique de Belgique. Miscellanées.* 3 Avenue Circulaire, Uccle III, Belgium.
*Instrum. Pract.	*Instrument Practice.* United Trade Press Ltd., Bridge Lane, Fleet Street, London, E.C.4.
Instrumentation	*Instrumentation.* Minneapolis-Honeywell Regulator Co., Brown Instruments Division, Wayne & Roberts Avenue, Philadelphia 44, Pennsylvania.
*Instruments	*Instruments.* Instruments Publishing Co., 921 Ridge Avenue, Pittsburgh 12, Pennsylvania.
*Iron and Steel	*Iron and Steel.* Dorset House, Stamford Street, London, S.E.1.
*Iron Steel Engr.	*Iron and Steel Engineer.* Association of Iron and Steel Engineers, 1010 Empire Building, Pittsburgh 22, Pennsylvania.
Ipad	*Industrial Progress and Development.* Builder Publishing Company, First Floor, Steamship Buildings, 17 Currie Street, Adelaide.
IVA, Stockholm	*IVA. Tidskrift för Teknisk-Vetenskaplig Forskning.* IngeniörsVetenskaps-Akademien, Stockholm 5.
Izv. Akad. Nauk, SSSR, Otdel. Tekn. Nauk	*Izvestiya Akademii Nauk, SSSR. Otdelenie Tekhnicheskikh Nauk.* Cherkasski Per 2, Moscow.
Izv. Akad. Nauk, SSSR, Ser. Fiz.	*Izvestiya Akademii Nauk, SSSR. Seriya Fizicheskaya.* Cherkasski Per 2, Moscow.
J. Acoust. Soc. Amer.	*Journal of the Acoustical Society of America.* American Institute of Physics, 57 East 55th Street, New York 22.
*J. Aero. Sci.	*Journal of the Aeronautical Sciences.* 2 East 64th Street, New York 21, New York.
*J. Amer. Ceram. Soc.	*Journal of the American Ceramic Society.* 2525 North High Street, Columbus 2, Ohio.
J. Amer. Chem. Soc.	*Journal of the American Chemical Society.* 1155 16th Street N.W., Washington 6.
J. Appl. Mech.	*Journal of Applied Mechanics.* American Society of Mechanical Engineers, 29 West 39th Street, New York.
J. Appl. Phys.	*Journal of Applied Physics.* American Institute of Physics, 57 East 55th Street, New York 22.
J. Brit. Astr. Ass.	*Journal of the British Astronomical Association.* 303 Bath Road, Hounslow West, Middlesex.
J. Brit. Instn Radio Engrs	*Journal of the British Institution of Radio Engineers.* 9 Bedford Square, London, W.C.1.
J. Brit. Interplan. Soc.	*Journal of the British Interplanetary Society.* 157 Friary Road, London, S.E.15.
J. Chem. Phys.	*Journal of Chemical Physics.* American Institute of Physics, 57 East 55th Street, New York 22.
J. Chem. Soc.	*Journal of the Chemical Society.* Burlington House, Piccadilly, London, W.1.
*J. Chim. Phys.	*Journal de Chimie Physique.* Institut de Chimie, 11 rue Pierre Curie, Paris (V^{e}).
J. Coun. Sci. Industr. Res., Aust.	*Journal of the Council for Scientific and Industrial Research, Australia.* 314 Albert Street, East Melbourne, C.2, Victoria.
J. Electrochem. Soc.	*Journal of the Electrochemical Society.* 235 West 102nd Street, New York 25.
J. Electrodepos. Tech. Soc.	*Journal of the Electrodepositors' Technical Society.* 27 Islington High Street, London, N.1.
J. Exp. Theor. Phys., USSR	*Journal of Experimental and Theoretical Physics.* Academy of Sciences of the U.S.S.R., Leningrad and Moscow.

LIST OF JOURNALS

**J. Fac. Sci. Hokkaido Univ.*	*Journal of the Faculty of Science.* Hokkaido University, Sapporo, Japan.
J. Franklin Inst.	*Journal of the Franklin Institute.* Prince and Lemon Streets, Lancaster, Pennsylvania.
**J. Geol., Chicago*	*Journal of Geology.* University of Chicago Press, 5750 Ellis Avenue, Chicago.
J. Geophys. Res.	*Journal of Geophysical Research.* [Formerly *Terr. Magn. Atmos Elect.*] Johns Hopkins Press, Baltimore 18, Maryland.
J. Indian Inst. Sci.	*Journal of the Indian Institute of Sciences.* Mysore Press, Bangalore Road, Mysore City.
**J. Industr. Hyg. Toxicol.*	*Journal of Industrial Hygiene and Toxicology.* Williams & Wilkins Company, Baltimore 2, Maryland.
J. Inst. Fuel	*Journal of the Institute of Fuel.* 18 Devonshire Street, London, W.1.
J. Inst. Met.	*Journal of the Institute of Metals.* 4 Grosvenor Gardens, London S.W.1.
**J. Inst. Navig.*	*Journal of the Institute of Navigation.* Royal Geographic Society 1 Kensington Gore, London, S.W.7.
J. Inst. Petrol.	*Journal of the Institute of Petroleum.* Manson House, 26 Portland Place London, W.1.
J. Instn Civ. Engrs	*Journal of the Institution of Civil Engineers.* Great George Street London, S.W.1.
J. Instn Elect. Engrs	*Journal of the Institution of Electrical Engineers.* [See *Proc. Instn Elect Engrs.*]
**J. Instn Elect. Engrs Japan*	*Journal of the Institution of Electrical Engineers of Japan.* Denki Gakka Zasschi 3, 1-chome, Ymaku-cho, Chiyoda-ku, Tokyo.
J. Instn Engrs, Aust.	*Journal of the Institution of Engineers, Australia.* Science House Gloucester and Essex Streets, Sydney.
J. Iron Steel Inst.	*Journal of the Iron and Steel Institute.* 4 Grosvenor Gardens, London S.W.1.
J. Jr Instn Engrs	*Journal of the Junior Institution of Engineers.* 39 Victoria Street, London S.W.1.
**J. Mar. Res.*	*Journal of Marine Research.* Sears Foundation for Marine Research Bingham Oceanographic Laboratory, Yale University, New Haven Connecticut.
J. Math. Phys.	*Journal of Mathematics and Physics.* Massachusetts Institute of Tech nology, Cambridge 39, Massachusetts.
J. Met.	*Journal of Meteorology.* American Meteorological Society. Prince an Lemon Streets, Lancaster, Pennsylvania.
J. Opt. Soc. Amer.	*Journal of the Optical Society of America.* American Institute of Physic 57 East 55th Street, New York 22.
**J. Phys. Chem. USSR*	*Journal of Physical Chemistry USSR.* [Abstracted by *British Abstracts*
J. Phys. Coll. Chem.	*Journal of Physical and Colloid Chemistry.* Williams & Wilkins Company Baltimore 2, Maryland.
J. Phys. Radium	*Journal de Physique et le Radium.* 10 rue Vauquelin, Paris (V^{e}).
J. Phys. Soc. Japan	*Journal of the Physical Society of Japan.* University of Tokyo.
J. Proc. Roy. Soc. N.S.W.	*Journal and Proceedings of the Royal Society of New South Wales.* Scienc House, Gloucester and Essex Streets, Sydney.
J. Rech. Cent. Nat. Rech. Sci.	*Journal des Recherches du Centre National de la Recherche Scientifiqu* 13 Quai Anatole-France, Paris (VII^{e}).
J. Res. Nat. Bur. Stand., Wash.	*Journal of Research of the National Bureau of Standards.* U.S. Gover ment Printing Office, Washington 25, D.C.
**J. Roy. Aero. Soc.*	*Journal of the Royal Aeronautical Society.* 4 Hamilton Place, Piccadill London, W.1.
J. Roy. Astr. Soc. Can.	*Journal of the Royal Astronomical Society of Canada.* 3 Willcocks Stree Toronto.
**J. Roy. Inst. Brit. Archit.*	*Journal of the Royal Institute of British Architects.* 66 Portland Plac London, W.1.
J. Roy. Soc. Arts	*Journal of the Royal Society of Arts.* 6–8 John Adam Street, Londo W.C.2.
**J. Roy. Statist. Soc. Ser. A.*	*Journal of the Royal Statistical Society, Series A.* [Abstracted *Mathematical Reviews.*]
**J. Sci. Hirosima Univ.*	*Journal of Science of Hirosima University.* [Abstracted by *Mathemati Reviews.*]
J. Sci. Industr. Res.	*Journal of Scientific and Industrial Research.* "P" Block, Raisina Roa New Delhi 3.
J. Sci. Instrum. Phys. Ind.	*Journal of Scientific Instruments and Physics in Industry.* Institute Physics, 47 Belgrave Square, London, S.W.1.
J. Sci. Res. Inst., Tokyo	*Journal of the Scientific Research Insititute.* Komagome, Bunkyo-k Tokyo.
J. Soc. Appl. Mech. Japan	*Journal of the Society of Applied Mechanics of Japan.* Nikokan, 1-chome Tamura-cho, Shiba, Minato-ku, Tokyo.
J. Soc. Dy. Col., Bradford	*Journal of the Society of Dyers and Colourists.* 32–4 Piccadilly, Bradfo
J. Soc. Glass Techn.	*Journal of the Society of Glass Technology.* "Elmfield," Northumberla Road, Sheffield 10.
J. Soc. Mot. Pict. Engrs	*Journal of the Society of Motion Picture Engineers.* 20th and Northampt Street, Easton, Pennsylvania.
J. Tech. Phys., USSR	*Journal of Technical Physics.* Doroga V Sosnovku 2, Leningrad 21.
J. Télécommun.	*Journal des Télécommunications.* Effingerstrasse 1, Berne.
J. Televis. Soc.	*Journal of the Television Society.* 68 Compton Road, London, N.21.
J. Text. Inst., Manch.	*Journal of the Textile Institute.* St. Mary's Parsonage, Manchester.
J. Univ. Bombay	*Journal of the University of Bombay.* Bombay.
J. Wash. Acad. Sci.	*Journal of the Washington Academy of Sciences.* U.S. National Museu Washington 25, D.C.
**Jernkontor. Ann.*	*Jernkontorets Annaler.* Kungsträdgårdsgatan, Stockholm C.

JIOA Rep.	_Joint Intelligence Objectives Agencies._ H.M. Stationery Office, Kingsway, London, W.C.2.
Jordbruk. Elekt. Bl. [_JOEL_]	_JOEL. Jordbrukarens Elektriska Blad._ Föreningen för Elektricitetens Rationella Användning (FERA), Box 3222, Stockholm 3.
K. Danske Vidensk. Selsk. Mat.-fys. Medd.	_Det Kgl. Danske Videnskabers Selskab. Matematisk-fysiske Meddelelser._ Dantes Plads 35, Copenhagen V.
K. Fysiogr. Sällsk. Lund, Förh.	_Kungliga Fysiografiska Sällskapets i Lund Förhandlingar._ Lund.
K. Norske Vidensk. Selsk. Forh.	_Det Kongelige Norske Videnskabers Selskabs Forhandlinger._ F. Bruns Bokhandel, Trondhjem.
K. Norske Vidensk. Selsk. Skr.	_Det Kongelige Norske Videnskabers Selskabs Skrifter._ F. Bruns Bokhandel, Trondhjem.
K. Tekn. Högsk. Handl.	_Kungliga Tekniska Högskolans Handlingar._ [See _Trans. Roy. Inst. Techn., Stockholm._]
*_King's Coll. Min. Bull._	_King's College Mining Bulletin._ King's College, Newcastle upon Tyne, Northumberland.
*_Kotloturbostroenie_	Gozenergoizdat, Shlyuzovaya, Naberezhnaya 10, Moscow.
Kraft o. Ljus	_Kraft och Ljus._ Ehrensvärdsvägen 10, Helsinki.
*_Kwart. Telekomun._	_Kwartalnik Telekomunikacyjny._ Zaklad Radiotechniki Politechniki Warszawskiej, Warsaw.
*_Lancet_	_Lancet._ 7 John Adam Street, London, W.C.2.
Leafl. Astr. Soc. Pacif.	_Leaflet of the Astronomical Society of the Pacific._ Palo Alto, California.
Lick Obs. Bull.	_Lick Observatory Bulletin._ University of California, Berkeley.
Light and Ltg	_Light and Lighting._ 32 Victoria Street, London, S.W.1.
Lunds Univ. Årsskr. Avd. 2	_Lunds Universitets Årsskrift, Avd._ 2. Lund.
Magyar Tech.	_Magyar Technika._ Szalay-utca 4, Budapest V.
Marconi Instrum.	_Marconi Instrumentation._ Marconi Instruments, St. Albans, Hertfordshire.
*_Marconi Rev._	_Marconi Review._ Marconi Instruments, St. Albans, Hertfordshire.
Maschinenb. u. Wärmewirtsch. [_MuW_]	_Maschinenbau und Wärmewirtschaft mit Lokomotiv- und Fahrzeugbau._ Springer-Verlag, Mölkerbastei 5, Vienna I.
*_Mater. and Meth._	_Materials and Methods._ 330 West 42nd Street, New York 18.
*_Math. Nachr._	_Mathematische Nachrichten._ Akademie-Verlag, Schiffbauerdamm 19, Berlin, N.W.7.
Math. Tables Aids Comput.	_Mathematical Tables and Other Aids to Computation._ National Academy of Sciences, 2101 Constitution Avenue, Washington, D.C.
Mech. Engng, N.Y.	_Mechanical Engineering._ American Society of Mechanical Engineers, 20th and Northampton Street, Easton, Pennsylvania.
*_Med. K. Vlaamse Acad. Wetensch._	_Mededelingen van de Koninklijke Vlaamse Academie voor Wetenschappen._ Paleis der Academien, Hertogelijke Straat 1, Brussels.
*_Medd. Lunds Astr. Obs._	_Meddelanden från Lunds Astronomiska Observatorium._ Lund.
Medd. Stat. Tekn. ForsknAnstalt.	_Statens Tekniska Forskningsanstalt Meddelande._ [See under _Tied. Valt. Tekn. Tutkimuslaitos._]
Mém. Acad. Roy. Belg. Cl. Sci.	_Mémoires de la Classe des Sciences de l'Académie Royale de Belgique._ Palais des Académies, Rue Ducale 1, Brussels.
Mem. Accad. Naz. Lincei	_Memorie dell' Accademia Nazionale dei Lincei._ [See _Atti Accad. Naz. Lincei_ (_Mem. Cl. Sci. Fis. Mat. Nat._)]
Mem. Coll. Sci., Univ. Kyoto	_Memoirs of the College of Science, University of Kyoto, Series A._ Kyoto.
*_Mem. Fac. Engng Hokkaido Univ._	_Memoirs of the Faculty of Engineering, Hokkaido University._ Sapporo.
Mem. Fac. Engng Kyushu Univ.	_Memoirs of the Faculty of Engineering, Kyushu University._ Fukuoka.
Mem. India Met. Dep.	_Memoirs of the India Meteorological Department._ Delhi.
Mem. Manchr Lit. Phil. Soc.	_Memoirs and Proceedings of the Manchester Literary and Philosophical Society._ Manchester 2.
Mem. Soc. Astr. Ital.	_Memorie della Società Astronomica Italiana._ Via Brera 28, Milan.
Mém. Soc. Roy. Belge Industr.	_Mémoires de la Société Royale Belge des Ingénieurs et des Industriels._ 3 Rue Ravenstein, Brussels.
Met. Ann.	_Meteorologiske Annaler._ Norske Meteorologiske Institut, Oslo.
*_Met. Rdsch._	_Meteorologische Rundschau._ [Abstracted by _Applied Mechanics Reviews._]
*_Metal Progr._	_Metal Progress._ 7301 Euclid Avenue, Cleveland, Ohio.
*_Metal Treatm._	_Metal Treatment and Drop Forging._ Industrial Newspapers Ltd., 49 Wellington Street, Strand, London, W.C.2.
*_Metallforsch._	_Metallforschung._ Paulinenstrasse 37B, Stuttgart, W.
*_Metallurgia, Manchr_	_Metallurgia._ Kennedy Press Ltd., 31 King Street West, Manchester 3.
Metrop.-Vick. Gaz.	_Metropolitan-Vickers Gazette._ Metropolitan-Vickers Electrical Co., Trafford Park, Manchester 17.
*_Microtecnic_	_Microtecnic._ 23 Avenue de la Gare, Lausanne.
Min. Elect. Mech. Engr	_Mining Electrical and Mechanical Engineer._ Cromwell Buildings, Blackfriars Street, Manchester 3.
Min. Mag.	_Mines Magazine._ 734 Cooper Bldg., Denver, Colorado.
Misc. Publ. Nat. Bur. Stand., Wash.	_Miscellaneous Publications of the National Bureau of Standards._ U.S. Government Printing Office, Washington 25, D.C.
*_Mitt. Geodät. Inst. E.T.H., Zürich_	_Mitteilungen aus dem Geodätischen Institut, Eidgenössische Technische Hochschule._ Clausiusstrasse 3, Zürich.
*_Mitt. Inst. Aerodyn. E.T.H., Zürich_	_Mitteilungen aus dem Institut für Aerodynamik, Eidgenössische Technische Hochschule._ Clausiusstrasse 3, Zürich.
*_Mitt. Inst. Geophys. E.T.H., Zürich_	_Mitteilungen aus dem Institut für Geophysik, Eidgenössische Technische Hochschule._ Clausiusstrasse 3, Zürich.
Mon. Not. Roy. Astr. Soc.	_Monthly Notices of the Royal Astronomical Society._ Burlington House, London, W.1.

Mon. Not. Roy. Astr. Soc., Geophys. Suppl.	_Monthly Notices of the Royal Astronomical Society. Geophysical Supplement._ Burlington House, London, W.1.
*_Monatsh. Math._	_Monatshefte für Mathematik._ [Abstracted by _Mathematical Reviews._]
Muirhead Tech.	_Muirhead Technique._ Muirhead & Co. Ltd., Beckenham, Kent.
Murex Rev.	_Murex Review._ Murex Ltd., Rainham, Essex.
N.Z. J. Sci. Tech.	_New Zealand Journal of Science and Technology._ Department of Scientific and Industrial Research, Wellington.
Nachr. Wiss. Göttingen	_Nachrichten von der Gesellschaft der Wissenschaften zu Göttingen._ Göttingen.
Nat. Bur. Stand., Appl. Math. Ser.	_National Bureau of Standards, Applied Mathematics Series._ U.S. Government Printing Office, Washington 25, D.C.
Nat. Res. Coun. Can., Publ.	_National Research Council of Canada, Publications._ The National Research Council of Canada, Ottawa.
Nature, Lond.	_Nature._ McMillan, St. Martin's Street, London, W.C.2.
Naturwiss.	_Die Naturwissenschaften._ Springer-Verlag, Jebenstrasse 1, Berlin-Charlottenburg 2.
Ned. T. Natuurkde	_Nederlands Tijdschrift voor Natuurkunde._ Nederlandse Natuurkundige Vereeniging, Physisch Laboratorium, Bijhouwerstraat 6, Utrecht.
Non-Destr. Test.	_Non-Destructive Testing._ American Industrial Radium and X-Ray Society, 53 West Jackson Boulevard, Chicago 4.
Nucleonics	_Nucleonics._ McGraw-Hill Publishing Co., 330 West 42nd Street, New York 18, New York; Aldwych House, London, W.C.2.
Nuovo Cim.	_Nuovo Cimento._ Istituto di Fisica della Università, Via Irnerio 46, Bologna.
Observatory	_Observatory._ Royal Observatory, Greenwich, London, S.E.10.
Occ. Not. Roy. Astr. Soc.	_Occasional Notices of the Royal Astronomical Society._ Burlington House, London, W.1.
Onde Elect.	_Onde Electrique._ Société des Radioélectriciens, 14 Avenue Pierre-Larousse, Malakoff (Seine).
Optik	_Optik._ Wissenschaftliche Verlagsgesellschaft, Stuttgart.
Ossvz. Mem. Oss. Astr. Arcetri	_Osservazioni e Memorie dell'Osservatorio Astrofisico di Arcetri._ Florence.
*_Öst. Chem. Ztg_	_Österreichische Chemiker Zeitung._ Springer-Verlag, Mölkerbastei 5, Vienna I.
Öst. Ingen. Arch.	_Österreichisches Ingenieur Archiv._ Springer-Verlag, Mölkerbastei 5, Vienna I.
Öst. Z. Elektrizitätswirtsch. [_ÖZE_]	_Österreichische Zeitschrift für Elektrizitätswirtschaft._ Springer-Verlag, Mölkerbastei 5, Vienna I.
Öst. Z. Telegr.-Teleph.-Funk-Fernsehtech. [_ÖTF_]	_Österreichische Zeitschrift für Telegraphen-, Telephon-, Funk- und Fernsehtechnik._ Springer-Verlag, Mölkerbastei 5, Vienna I.
P.O. Elect. Engrs' J.	_The Post Office Electrical Engineers' Journal._ Engineer-in-Chief's Office, Alder House, Aldersgate Street, London, E.C.1.
Pap. Instn Post Off. Elect. Engrs	_The Institution of Post Office Electrical Engineers, Printed Papers._ Alder House, Aldersgate Street, London, E.C.1.
Pap. Phys. Oceanogr. Met.	_Papers in Physical Oceanography and Meteorology._ Cambridge and Woods Hole, Massachusetts.
*_Petroleum_	_Petroleum._ Leonard Hill Technical Group, 17 Stratford Place, London, W.1.
Phil. Mag.	_The Philosophical Magazine._ Taylor & Francis, Red Lion Court, Fleet Street, London, E.C.4.
Philips Res. Rep.	_Philips Research Reports._ Century House, Shaftesbury Avenue, London, W.C.2; Philips' Gloeilampenfabrieken, Eindhoven.
Philips Tech. Rev.	_Philips Technical Review._ Century House, Shaftesbury Avenue, London, W.C.2; Philips' Gloeilampenfabrieken, Eindhoven.
Philos. Trans. A	_Philosophical Transactions of the Royal Society of London, Series A._ Burlington House, London, W.1.
Photogr. J.	_Photographic Journal._ Royal Photographic Society of Great Britain, 16 Princes Gate, London, S.W.7.
Phys. Bl.	_Physikalische Blätter._ Physik Verlag, Renzstrasse 3, Mosbach/Baden.
Phys. Rev.	_The Physical Review._ American Institute of Physics. 57 East 55th Street, New York 22.
Physica	_Physica._ Martinus Nijhoff, The Hague.
Portugal. Math.	_Portugaliae Mathematica._ Rua Serpa Pinto 17, Lisbon.
Portugal. Phys.	_Portugaliae Physica._ Laboratorio de Fisica, Faculdade de Ciências, Rua da Escola Politécnica, Lisbon.
Poste e Telecomun.	_Poste e Telecomunicazioni._ Viale Trastevere 189, Rome.
*_Powder Metall. Bull._	_Powder Metallurgy Bulletin._ 320 Yonkers Avenue, Yonkers 2, New York.
*_Power_	_Power._ McGraw-Hill Publishing Co., 330 West 42nd Street, New York 18; Aldwych House, London, W.C.2.
Prak. Wiss.	_Praktisches Wissen._ Verlag "Praktisches Wissen," Eggenberger Allee 89, Graz-Eggenberg.
Proc. Amer. Acad. Arts Sci.	_Proceedings of the American Academy of Arts and Sciences._ 28 Newbury Street, Boston, Mass.
Proc. Amer. Phil. Soc.	_Proceedings of the American Philosophical Society._ Independence Square, Philadelphia 6.
Proc. Camb. Phil. Soc.	_Proceedings of the Cambridge Philosophical Society._ Cambridge University Press, Bentley House, 200 Euston Road, London, N.W.1.
Proc. Indian Acad. Sci. A	_Proceedings of the Indian Academy of Sciences, Section A._ Bangalore City.

Proc. Inst. Radio Engrs	*Proceedings of the Institute of Radio Engineers.* 1 East 79th Street, New York 21.
Proc. Instn Elect. Engrs	*Proceedings of The Institution of Electrical Engineers.* Savoy Place, London, W.C.2.
Proc. Instn Mech. Engrs	*Proceedings of the Institution of Mechanical Engineers.* Storey's Gate, London, S.W.1.
Proc. Instn Radio Engrs, Aust.	*Proceedings of the Institution of Radio Engineers, Australia.* Science House, Essex and Gloucester Streets, Sydney.
Proc. K. Ned. Akad. Wet.	*Proceedings. Koninklijke Nederlandsche Akademie van Wetenschappen.* Trippenhuis, Amsterdam.
Proc. Leeds Phil. Lit. Soc.	*Proceedings of the Leeds Philosophical and Literary Society.* The University, Leeds.
Proc. Math. Phys. Soc. Egypt	*Proceedings of the Mathematical and Physical Society of Egypt.* Faculty of Science, Fouad I University, Abbassiah, Cairo.
Proc. Midwest Pwr Conf.	*Proceedings of the Midwest Power Conference.* Illinois Institute of Technology, 330 Federal Street, Chicago 16.
Proc. Nat. Acad. Sci., Wash.	*Proceedings of the National Academy of Sciences.* Constitution Avenue and 21st Street, Washington 25, D.C.
Proc. Nat. Inst. Sci. India	*Proceedings of the National Institute of Sciences of India.* University Buildings, Delhi.
Proc. Phys. Soc., Lond.	*Proceedings of the Physical Society.* 1 Lowther Gardens, Prince Consort Road, London, S.W.7.
**Proc. Pittsburgh Internat. Conf. Surface Reactions*	*Proceedings of the Pittsburgh International Conference on Surface Reactions.* Corrosion Publishing Co., 1131 Wolfendale Street, Pittsburgh.
Proc. Roy. Instn	*Proceedings of the Royal Institution of Great Britain.* Albemarle Street, London, W.1.
Proc. Roy. Irish Acad.	*Proceedings of the Royal Irish Academy.* Hodges, Figgis, 6 Dawson Street, Dublin; Williams & Norgate, 36 Great Russell Street, London, W.C.1.
Proc. Roy. Soc. A.	*Proceedings of the Royal Society of London, Series A.* Burlington House, London, W.1.
Proc. Roy. Soc. Edinb.	*Proceedings of the Royal Society of Edinburgh.* 22/24 George Street, Edinburgh.
Proc. Roy. Soc. Vict.	*Proceedings of the Royal Society of Victoria.* Victoria Street, Melbourne, C.1.
**Proc. Soc. Psych. Res.*	*Proceedings of the Society of Psychical Research.* 31, Tavistock Square, W.C.1.
**Proc. Univ. Durham Phil. Soc.*	*Proceedings of the University of Durham Philosophical Society.* Durham.
**Prod. Engng*	*Product Engineering.* McGraw-Hill Publishing Co., 330 West 42nd Street, New York 18.
Progr. Theor. Phys.	*Progress of Theoretical Physics.* Akitaya Co., Osaka, Kyoto.
Przegl. Elektrotech.	*Przeglad Elektrotechniczny.* al. Stalina 27, Warsaw.
PTT-Bedrijf	*Het PTT-Bedrijf.* Hoofdbestuur der Posterijen, Telegrafie en Telefonie, Javastraat 6, The Hague.
**Pubbl. Comm. Geod. Ital.*	*Pubblicazioni della Commissione Geodetica Italiana.* Via G. Pascoli 55, Milan.
Pubbl. Ist. Elettrotec. Naz. Galileo Ferraris	*Pubblicazioni dell' Istituto Elettrotecnico Nazionale Galileo Ferraris.* Corso Massimo d'Azeglio, Torino 116.
Pubbl. Ist. Naz. Elettroacust. O.M. Corbino	*Pubblicazioni del R. Istituto Nazionale di Elettroacustica O.M. Corbino.* Piazzale delle Scienze 7, Rome.
Publ. Astr. Soc. Pacif.	*Publications of the Astronomical Society of the Pacific.* Palo Alto, California.
Publ. Dom. Astrophys. Obs. Victoria, B.C.	*Publications of the Dominion Astrophysical Observatory.* Victoria, British Columbia.
Publ. Dom. Obs., Ottawa	*Publications of the Dominion Observatory.* Ottawa.
Publ. Fac. Cienc. Fis-Mat. La Plata	*Publicaciones de la Facultad de Ciencias Fisico-Matemáticas de la Universidad Nacional de la Plata.* La Plata.
**Publ. Fac. Sci. Univ. Masaryk*	*Publications de la Faculté des Sciences de l'Université Masaryk.* A. Piša, Česká 28, Brno.
**Publ. Obs. Univ. Michigan*	*Publications of the University of Michigan.* Ann Arbor, Michigan.
**Publ. Sci. Min. Air France*	*Publications Scientifiques et Techniques du Ministère de l'Air.* Bulletin des Services Techniques et Notes Techniques, 2 Rue de la Porte d'Issy, Paris (XV^{e}).
Publ. State Inst. Tech. Res., Finland	*Publications of the State Institute for Technical Research, Finland.* Lonnrotink 37, Helsinki.
Publ. Univ. Tech. Sci., Budapest	*Publications of the University of Technical Sciences.* Budapest.
**Pwr Generation*	*Power Generation.* Technical Publications, 53 West Jackson Boulevard, Chicago 4.
Quad. Stud. e Not.	*Quaderni di Studi e Notizie.* Società Edison, Giunta Tecnica di Gruppo, Foro Bonaparte 31, Milan.
Quart. Appl. Math.	*Quarterly of Applied Mathematics.* Brown University, Providence, Rhode Island.
Quart. J. Mech. Appl. Math.	*Quarterly Journal of Mechanics and Applied Mathematics.* Oxford University Press, Amen House, London, E.C.4.
Quart. J. Roy. Met. Soc.	*Quarterly Journal of the Royal Meteorological Society.* 49 Cromwell Road, London, S.W.7.
R.C. Accad. Naz. Lincei	*Rendiconti dell' Accademia Nazionale dei Lincei.* [See *Atti Accad. Naz. Lincei* (*R.C. Cl. Sci. Fis. Mat. Nat.*)]
R.C. Ist. Super. Sanità	*Rendiconti dell' Istituto Superiore di Sanità.* Viale Regina Margherita 299, Rome.

Radio-Electronic Engng	*Radio-Electronic Engineering.* [Published as a special edition in a limite number of copies of *Radio and Television News.*] Ziff-Davis Publishir Co., 185 N. Wabash Avenue, Chicago 1.
Radio Franç	*La Radio Française.* 92 Rue Bonaparte, Paris (VI^{e}).
Radio Televis. News	*Radio and Television News.* Ziff-Davis Publishing Co., 185 N. Wabas Avenue, Chicago 1.
Radiology	*Radiology.* 713 E. Genesee Street, Syracuse 2, New York.
Radiotekhnika	*Radiotekhnika.* ul. Kirova, 40, Moscow.
Radiotronics	*Radiotronics.* Amalgamated Wireless Valve Co., 47 York Stre (G.P.O. Box 2516), Sydney.
RCA Rev.	*RCA Review.* Radio Corporation of America, RCA Laboratori Division, Princeton, New Jersey.
Rec. Trav. Chim. Pays-Bas	*Recueil des Travaux Chimiques des Pays-Bas.* Lange Voorhout 5, Th Hague.
**Rech. Aéronaut.*	*La Recherche Aéronautique.* 3 rue Léon Bonnat, Paris (XVI^{e}).
Rep. Brit. Elect. Allied Industr. Res. Ass.	*Reports of the British Electrical and Allied Industries Research Associatio* "Thorncroft," Dorking Road, Leatherhead.
**Rep. Invest. U.S. Bur. Min.*	*Reports of Investigations of the United States Bureau of Mines.* U.S Government Printing Office, Washington, D.C.
Rep. Phys. Soc. Progr. Phys.	*Reports of the Physical Society on Progress in Physics.* 1 Lowthe Gardens, Prince Consort Road, London, S.W.7.
Repr. Univ. Ill. Engng Exp. Sta.	*Reprint Series of the University of Illinois Engineering Experiment Statio* Urbana, Illinois.
Research, Lond.	*Research, London.* Butterworths Scientific Publications, 436 Stranc London, W.C.2.
**Rev. Alsthom.*	*Revue d'Electricité et de Mécanique.* Société Générale de Construction Electriques et Mécaniques Alsthom, 38 Avenue Kléber, Paris.
Rev. Cienc. Apl.	*Revista de Ciencia Aplicada.* Alcalá 95, 1°, Madrid.
**Rev. Electrotec., B. Aires*	*Revista Electrotecnica.* Posadas 1657–59, Buenos Aires.
Rev. Gén. Elect.	*Revue Générale d'Electricité.* 12, Place Henri-Bergson, Paris (VIII^{e}).
Rev. Métall.	*Revue de Métallurgie.* 5 Cité Pigalle, Paris (IX^{e}).
Rev. Mod. Phys.	*Reviews of Modern Physics.* American Institute of Physics, 57 East 55t Street, New York 22.
Rev. Obras Publ.	*Revista de Obras Publicas.* Alfonso XII, 3-Escuela de Caminos Madrid.
Rev. Opt. (Théor. Instrum.)	*Revue Optique Théorique et Instrumentale.* 3 & 5 Boulevard Pasteur Paris (XV^{e}).
**Rev. Ord. Engen.*	*Revista de Ordem dos Engenheiros.* Avenida de Antonio Augusto d Aguiar No. 1, Lisbon.
**Rev. Real Acad. Cienc. Madrid*	*Revista de la Real Academia de Ciencias de Madrid.* Madrid.
Rev. Sci. Instrum.	*Review of Scientific Instruments.* American Institute of Physics, 57 Eas 55th Street, New York 22.
Rev. Sci., Paris	*La Revue Scientifique.* 4 rue Pomereu, Paris (XVI^{e}).
Rev. Stiint.	*Revista Stiintifica "V. Adamachi."* Laboratorul de Chimie Organica, Th University, Jassy.
Rev. Tech. C.F.T.H.	*Revue Technique Compagnie Française Thomson-Houston.* 173 Boulevar Haussmann, Paris (VIII^{e}).
**Rev. Un. Mat. Argentina*	*Revista de la Unión Matemática Argentina.* [Abstracted by *Mathematica Reviews.*]
**Rev. Univ. Nac. Tucuman*	*Revista de la Universidad Nacional de Tucumán.* Tucumán, Argentina.
Reyrolle Rev. Repr.	*Reyrolle Review Reprints.* A. Reyrolle & Co., Hebburn, Co. Durham.
Ric. Sci.	*Ricerca Scientifica.* Consiglio Nazionale delle Ricerche, Piazzale dell Scienze 7, Rome.
Riv. Nuovo Cim.	*La Rivista del Nuovo Cimento.* Istituto di Fisica della Università, Via Irnerio 46, Bologna.
**Rly Gaz., Lond.*	*Railway Gazette.* 33 Tothill Street, London, S.W.1.
**Rly Mech. Engr*	*Railway Mechanical Engineer.* Simmons-Boardman Publishing Co. 30 Church Street, New York 7.
**Rly Signaling*	*Railway Signaling.* Simmons-Boardman Publishing Co., 30 Churcl Street, New York 7.

S. Afr. J. Sci.	*South African Journal of Science.* South African Association for the Advancement of Science, P.O. 6894, Johannesburg.
S.B. Heidelberg Akad. Wiss. (Math.-Naturwiss. Kl.)	*Situngsberichte der Heidelberger Akademie der Wissenschaften (Mathematisch-Naturwissenschaftliche Klasse).* Physikalisches Institut der Universität Heidelberg, Albert Uberlestrasse 3, Heidelberg.
S.B. Öst. Akad. Wiss., Abt. IIa	*Sitzungsberichte der Osterreichischen Akademie der Wissenschaften, Abteilung IIa.* Springer-Verlag, Mölkerbastei 5, Vienna I.
Schweiz. Arch. angew. Wiss. Tech.	*Schweizer Archiv für angewandte Wissenschaft und Technik.* Buchdruckerei Vogt-Schild, Solothurn.
Schweiz. Bauztg	*Schweizerische Bauzeitung.* W. Jegher & A. Ostertag, Dianastrasse 5, Zürich.
Sci. Not. India Met. Dep.	*Scientific Notes of the India Meteorological Department.* Delhi.
Sci. Proc. Roy. Dublin Soc.	*Scientific Proceedings of the Royal Dublin Society.* Ballsbridge, Dublin.
Sci. Progr.	*Science Progress.* Edward Arnold, 41 Maddox Street, London, W.1.
**Sci. Rec., Shanghai*	*Science Record.* Academia Sinica, Shanghai.
Sci. Rep. Nat. Tsing Hua Univ.	*Science Reports of the National Tsing Hua University.* Peiping.
**Sci. Rep. Tohoku Imp. Univ.*	*Science Reports of Tohoku Imperial University, First Series (Mathematics, Physics, Chemistry).* [Abstracted by *Mathematical Reviews.*]
**Sci. Stud., St. Bonaventure Coll.*	*Scientific Studies, St. Bonaventure College.* [Abstracted by *British Abstracts.*]
Sci. Tech. China	*Science and Technology in China.* The Natural Science Society of China, c/o National Central University, Nanking.

Science	*Science.* American Association for the Advancement of Science, 1515 Massachusetts Avenue N.W., Washington 5, D.C.
Siemens Austria Z.	*Siemens Austria Zeitschrift.* Siemens u. Halske, 12 Apostelgasse, Vienna 3.
Sky and Telescope	*Sky and Telescope.* Sky Publishing Co. Harvard College Observatory, Cambridge 38, Massachusetts.
Slabopr. Obz.	*Slaboproudy Obzor* Vocelova 3, Prague XII.
Smit Med.	*Smit Mededelingen.* Willem Smit & Co.'s Transformatorenfabriek, Nijmegen.
Spectrochim. Acta	*Spectrochimica Acta.* Specola Vaticana, Vatican City; Springer-Verlag, Heidelberg—Göttingen—Berlin.
Steel	*Steel.* Penton Publishing Co., Penton Building, Cleveland 13, Ohio.
Stockholms Obs Ann.	*Stockholms Observatoriums Annaler.* Almquist & Wiksells Boktryckeri, A.B., Stockholm.
Strowger J.	*Strowger Journal.* Automatic Telephone and Electric Co., Strowger Works, Liverpool 7.
Sulzer Tech Rev.	*Sulzer Technical Review.* Sulzer Bros., 31 Bedford Square, London, W.C.1.
Summa Brasil. Math.	*Summa Brasiliensis Mathematicae.* [Abstracted by *Mathematical Reviews.*]
Svenska Elverksfören. Handl.	*Svenska Elverksföreningens Handlingar.* Drottninggatan 90B, Stockholm.
Svenska VattenkrFören. Publ.	*Svenska Vattenkraftföreningens Publikationer.* Norrlandsgatan 16, Stockholm.
Swiss Tech.	*Swiss Technics.* Swiss Office for the Development of Trade, Pl. Riponne 3, Lausanne.
Sylv. Techn.	*Sylvania Technologist.* Sylvania Electric Products, 40–22 Lawrence Street, Flushing, New York.
Tech. Mitt.-Telegr.-Teleph-Verw.	*Technische Mitteilungen von der Schweizerischen Post-Telegraphen- und Telephonverwaltung.* Berne.
Tech. Mod.	*La Technique Moderne.* 92 Rue Bonaparte, Paris (VI^{e}).
Tech. Pap. U.S. Bur. Min.	*Technical Papers of the United States Bureau of Mines.* U.S. Government Printing Office, Washington 25, D.C.
Tech. Rep. Res. Lab. Electronics Mass. Inst. Techn.	*Research Laboratory of Electronics, Technical Reports.* Massachusetts Institute of Technology, Boston 39, Massachusetts.
Tech. u. Wiss.	*Technik und Wissenschaft.* Nikolaistr. 7, Flensburg.
Technik	*Die Technik.* Verlag Technik, Dorotheenstrasse 41, Berlin, N.W.7.
Tecn. Ital.	*Tecnica Italiana.* Via Beccaria 6, Trieste.
Técnica, Lisbon	*Técnica.* Instituto Superior Técnico, Av. Rovisco Pais, Lisbon-N.
Tekn. Medd. K. TelegrStyr., Stockholm	*Tekniska Meddelanden från Kungl. Telegrafstyrelsen.* [See *Tele.*]
Tekn. Medd. TelegrStyr., Oslo	*Tekniske Meddelelser fra Telegrafstyret.* Direction Générale des Télécommunications de Norvège, Oslo.
Tekn. Tidskr.	*Teknisk Tidskrift.* Kungsgatan 37, Stockholm C.
Tekn. Ukebl.	*Teknisk Ukeblad.* Norske Ingeniørforening, Kronprinsengate 17, Oslo 9.
Tele	*Tele.* Meddelanden från Kungl. Telegrafstyrelsen. Stockholm. [Formerly *Tekn. Medd K. Telegrstyr.*]
Telecommun. J. Aust.	*The Telecommunications Journal of Australia.* Postal Electrical Society of Victoria, G.P.O. Box 4050, Melbourne.
Telecomun.	*Telecomunicazioni.* [Published with *Rassegna Poste e Telecomunicazioni.*] Viale Trastevere 189, Rome.
Tellus	*Tellus. A Quarterly Journal of Geophysics.* Svenska Geofysiska Föreningen. Fridhemsgatan 9, Stockholm 12.
Terr. Magn. Atmos. Elect.	*Terrestrial Magnetism and Atmospheric Electricity.* Johns Hopkins Press, Baltimore 18, Maryland.
*_Text. Res. J._	*Textile Research Journal.* 10 East 40th Street, New York 16.
*_Text. Weekly_	*Textile Weekly.* Textile Press Ltd., 33 Blackfriars Street, Manchester 3.
Tidskr. Ljuskultur	*Tidskrift för Ljuskultur.* Svenska Föreningen för Ljuskultur. Sveavägen 28–30, Stockholm.
Tied. Valt. Tekn. Tutkimuslaitos	*Valtion Tekn Tutkimuslaitos. Tiedoitus.* Helsinki.
Tijdschr. Ned. Radiogenoot.	*Tijdschrift van het Nederlandsch Radiogenootschap.* Oude Outrechtscheweg 8, Baarn.
Tôhoku Math. J.	*Tôhoku Mathematical Journal.* Tôhoku Printing Co. Ltd., Sendai, Japan.
Trans. Amer. Geophys. Un.	*Transactions of the American Geophysical Union.* Administration Building, Carnegie Institution of Washington, D.C., 1530 P Street Northwest, Washington 5, D.C.
Trans. Amer. Inst. Elect. Engrs	*Transactions of the American Institute of Electrical Engineers.* 33 West 39th Street, New York.
Trans. Amer. Inst. Min. Metall. Engrs	*Transactions of the American Institute of Mining and Metallurgical Engineers.* 29 West 39th Street, New York 18.
Trans Amer. Phil. Soc.	*Transactions of the American Philosophical Society.* Independence Square, Philadelphia.
Trans. Amer. Soc. Mech. Engrs	*Transactions of the American Society of Mechanical Engineers.* 29 West 39th Street, New York.
Trans. Bose Res. Inst. Calcutta	*Transactions of the Bose Research Institute.* [Abstracted by *Photographic Abstracts.*]
Trans. Brit. Ceram. Soc.	*Transactions of the British Ceramic Society.* North Staffordshire Technical College, Victoria Road, Stoke-on-Trent, Staffordshire.
Trans. Chalmers Univ. Tech., Gothenburg	*Transactions of the Chalmers University of Technology.* Gothenburg.
Trans. Danish Acad. Tech. Sci.	*Transactions of the Danish Academy of Technical Sciences.* Øster Voldgade 10, Copenhagen.
Trans. Faraday Soc.	*Transactions of the Faraday Society.* Gurney & Jackson, 98 Great Russell Street, London, W.C.2; Tweeddale Court, Edinburgh.

Trans. Illum. Engng Soc., Lond.	*Transactions of the Illuminating Engineering Society.* 32 Victoria Stre London, S.W.1.
Trans. Inst. Mar. Engrs	*Transactions of the Institute of Marine Engineers.* 85 Minories, Lond E.C.3.
* *Trans. Inst. Min. Engrs*	*Transactions of the Institute of Mining Engineers.* Salisbury Hou Finsbury Circus, London, E.C.2.
Trans. Instn Engrs Shipb. Scot.	*Transactions of the Institution of Engineers and Shipbuilders in Scotla* Elmbank Crescent, Glasgow, C.2.
Trans. Instn Nav. Archit., Lond.	*Transactions of the Institution of Naval Architects.* 10 Upper Belgra Street, London, S.W.1.
Trans. Instn Rubb. Ind.	*Transactions of the Institution of the Rubber Industry.* 12 Whiteha London, S.W.1.
Trans. N.-E. Cst Instn Engrs Shipb.	*Transactions of the North-East Coast Institution of Engineers and Sh builders.* Bolbeck Hall, Newcastle upon Tyne.
Trans. N.Y. Acad. Sci.	*Transactions of the New York Academy of Science.* Central Park West 79th Street, New York 24.
Trans. Roy. Inst. Techn., Stockholm	*Transactions of the Royal Institute of Technology.* Stockholm.
Trans. Roy. Soc. Can.	*Transactions of the Royal Society of Canada.* The National Resear Council, Ottawa.
Trans. Roy. Soc. Edinb.	*Transactions of the Royal Society of Edinburgh.* 22–24 George Stre Edinburgh.
Trans. S. Afr. Inst. Elect. Engrs	*Transactions of the South African Institute of Electrical Engineers.* T Associated Scientific and Technical Societies of South Africa, Kel House, Marshall and Holland Streets. P.O. Box 5907, Johannesbu
* *Trav. Inst. Math. Stekloff*	*Travaux de l'Institut Mathématique Stekloff.* [Abstracted by *Math matical Reviews.*]
* *U.S. Atom. Energy Comm. Doc.*	*U.S. Atomic Energy Commission Documents.* Document Sales Agen P.O. Box 62, Oak Ridge, Tennessee.
* *Univ. Wash. Publ. Math.*	*University of Washington Publications in Mathematics.* [Abstracted *Mathematical Reviews.*]
Vestn. Elektroprom.	*Vestnik Elektropromyishlennosti.* Krasnaya Pl., Moscow.
* *Vestn. Moskov. Univ.*	*Vestnik Moskovskogo Universiteta.* [Abstracted by *Mathemati Reviews.*]
Vide	*Le Vide.* Société Française des Ingénieurs Techniciens du Vide, 44 R de Rennes, Paris (VI^{e}).
Voordr. K. Inst. Ing.	*Voordrachten gehouden voor het Koninklijk Instituut van Ingenieu* 23 Princessegracht, The Hague.
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* *Weld. J.*	*Welding Journal.* 33 West 39th Street, New York 18.
Westingho. Engr	*The Westinghouse Engineer.* 306 Fourth Avenue, Pittsburgh.
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Wireless World	*Wireless World.* Dorset House, Stamford Street, London, S.E.1.
Wiss. Veröff. Siemens-Werk.	*Wissenschaftliche Veröffentlichungen aus den Siemens-Werken.* Berl [Pre-war issue.]
Yale Sci. Mag.	*Yale Scientific Magazine.* 244–A Yale Station, New Haven, Connectic
Z. angew. Math. Mech.	*Zeitschrift für angewandte Mathematik und Mechanik.* Akademie-Verl Chausseestr. 106, Berlin N.4.
Z. angew. Math. Phys.	*Zeitschrift für angewandte Mathematik und Physik.* Verlag Birkhäus Elisabethenstrasse 15, Basle.
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Z. Phys.	*Zeitschrift für Physik.* Springer-Verlag, Jebenstr. 1, Berlin-Charl tenburg 2.
Z. Ver. dtsch. Ing. [*VDI*]	*Zeitschrift des Vereines deutscher Ingenieure.* Deutscher Ingenieur-Verl Düsseldorf.
Z. wiss. Photogr.	*Zeitschrift für wissenschaftliche Photographie, Photophysik und Pho chemie.* J. A. Barth, Salomonstrasse 18B, Leipzig Cl.

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B.I.I.R.	= *Bulletin of the International Institute of Refrigeration*	Institut International du Froid, 9 Avenue Carnot, Paris (XVII^e).
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E.R.A.	= British Electrical and Allied Industries Research Association	Thorncroft Manor, Dorking Road, Leatherhead, Surrey.
F.A.	= *Fuel Abstracts*	Fuel Research Station, East Greenwich, London, S.E.10.
I.A.	= *Index Aeronauticus*	Ministry of Supply, Millbank, London, S.W.1.
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M.R.	= *Mathematical Reviews*	Brown University, Providence, Rhode Island.
M.-V.	= Metropolitan-Vickers Electrical Co. Ltd.	Research Department, Trafford Park, Manchester.
P.A.	= *Photographic Abstracts*	16 Princes Gate, London, S.W.7.
P.O.	= Post Office Engineering Department	Dollis Hill, London, N.W.2.
R.E.A.	= *Railway Engineering Abstracts*	The Institution of Civil Engineers, Great George Street, London, S.W.1.
R.R.A.	= The Research Association of British Rubber Manufacturers	Intelligence Division, 105–7 Lansdowne Road, Croydon, Surrey.
S.C.A.P.	= Supreme Commander for the Allied Powers	Scientific and Technical Division of the Economic and Scientific Section, S.C.A.P., APO 500, c/o Postmaster, San Francisco, California.

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Engineering Index (New York).
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The initial "A" is used to indicate an abstract prepared from the summary published with the article.

ERRATA, 1949

Abstr. 49, line 2: *for* 1948 *read* 1946.

Abstr. 545, line 10: *for* Euckon, M., *read* Eucken, M; line 12: *for* cromal *read* bromal; line 17: *for* Rossler, F. C *read* Roesler, F. C.

Abstr. 660, line 8: *for* $-3\cdot30 \pm 0\cdot10$ Mc/s *read* $+3\cdot30 \pm 0\cdot10$ Mc/s; line 9: *for* $-1\cdot55 \pm 0\cdot08$ Mc/s *rea* $+1\cdot55 \pm 0\cdot08$ Mc/s.

Abstr. 1011, line 1: *for* change *read* charge.

Abstr. 1384, line 3: *for* Vodar, M. B., *read* Vodar, B.

Abstr. 1458, lines 5 and 10: *for* derivation *read* derivative.

Abstr. 1509, line 2: *insert* Burg, A. B.

Abstr. 1632, line 2: *for* $\mathbf{a_0 \cos 4x}$ *read* $\mathbf{a_2 \cos 4x}$.

Abstr. 1698, line 12: *for* gain *read* spin.

Abstr. 1841, line 7: *for* congruent *read* convergent.

Abstr. 1915, line 17: *for* values *read* volumes.

Abstr. 2042, line 10: *for* bond *read* band; line 14: *for* connected *read* corrected.

Abstr. 2344, line 2: *for* Rankine, R. A., *read* Rankin, R. A.

Abstr. 2385, line 3: *for* Vekva, I. N., *read* Vekua, I. N.

Abstr. 2488, lines 7 and 8: *for* outside *read* inside; *for* to be *read* and is.

Abstr. 2936, line 4: *for* Jan. *read* Oct.

Abstr. 3087, line 2: *for* Herman, M. L., *read* Herman, L.

Abstr. 3285, line 2: *for* Huxley, L. H. G., *read* Huxley, L. G. H.; line 3: *for* **169** (No. 1064) *read* **196** (No. 1046).

Abstr. 3330, lines 7, 14, 15: *for* CH_4 *read* NH_4.

Abstr. 3422, line 1: *for* CC^1 *read* CC'; line 5: *for* ThC'' *read* $ThCC'$; line 12: *for* Latysher *read* Latyshev.

Abstr. 3485, line 2: *for* Backus, C., *read* Backus, R. C.

Abstr. 4108, line 2: *insert* Roberts, A. *as joint author*.

Abstr. 4293, line 6: *for* (1945) *read* (1946).

Abstr. 4298, line 2: *for* Kuiper, G. F., *read* Kuiper, G. P.

Abstr. 4374, line 3: *for* Breids, I. I., *read* Breido, I. I.

Abstr. 4683, line 2: *for* Narayan, P. S., *read* Narayanan, P. S.

Abstr. 4684, line 2: *for* Narayan, P. S., *read* Narayanan, P. S.

Abstr. 5077, line 2: *for* Aryes, G. H., *read* Ayres, G. H.

Abstr. 5251, line 2: *for* Yamamouchi, T., *read* Yamanouchi, T.

Abstr. 5270, line 2: *for* **107** *read* **167**.

Abstr. 5525, line 3: *for* **55** *read* **65**.

Abstr. 5591, lines 2 and 3: *for* Bowers, R. and Mendelssohn, K., *read* Saxton, J. A. and Lane, J. A.

Abstr. 5633, line 1: *for* "Stepping" *read* "Stopping."

Abstr. 5782, lines 5 and 6: *remove sentence in brackets.*

Abstr. 5819, lines 7 and 8: *read* depressions, 0° — 12°, at different altitudes on the sun vertical.

Abstr. 5964, 6183, 6188, 6428, 6433, 6442, journal reference: *for* April 15 *read* March 15.

Abstr. 6257, line 4: *for* "Sb_2O_3" *read* "Sb_2S_3"; line 6: *delete* "pulsed".

Abstr. 6630, line 3: *for* 1795–7 *read* 1975–7.

ERRATA, 1948

Abstr. 2758, line 7: *for* 6 Mc/s *read* 0·6 Mc/s,
for between 6 and 7 *read* between 68 and 90 in 6 out of 7 measurements.

Author Index. Houston, W. V. Transfer entry for 2923 to Hough, P. V. C.

Subject Index. **Hall effect.** First entry, *for* 2419 *read* 2499.

AUTHOR INDEX

For the sake of simplicity and uniformity, all names beginning with articles or prepositions are listed as if written as single words, regardless of nationality (e.g., Van Vleck is listed as if written Vanvleck). Cross-references are included in appropriate places. Compound names are listed under the last component, unless hyphenated. Exceptions to this rule have been appropriately cross-referenced.

An asterisk * following an Abstract Number indicates that an erratum will be found on p. xx.

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At the end of the Index (for convenience in reference) will be found a collected list of all the headings employed, uped into sections by subject on the same basis as the monthly issues of "Science Abstracts." The reader is ommended to inspect this before commencing a search, so that no heading relevant to his subject may be overlooked.

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fluidity

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cooling

CAPILLARITY

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CULAR THEORY OF LIQUIDS

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GASES

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ynamics
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meters

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m apparatus
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Corona

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Compton effect
X-ray spectra
X-ray spectroscopy
X-ray spectrometers
X-ray monochromators
X-ray tubes
X-ray crystallography
X-ray examination of materials
Radiography
  accessories
  microradiography

COSMIC RAYS

Cosmic rays
  absorption
  apparatus
  composition
  electrons
  mesons
  neutrons
  protons
  effects
  showers and bursts
  variations

MAGNETISM

Magnetism
Ferromagnetism
  theory
Paramagnetism
Diamagnetism
Magnets
Magnetic fields

COLLECTED LIST OF SUBJECT INDEX HEADINGS

- gnetization
- nagnetization
- omagnetic effect
- gnetic hysteresis, relaxation
- gnetic measurements
- gnetic properties of substances
- amagnetic resonance absorption
- lear magnetic resonance

ELECTROMAGNETISM. ELECTRODYNAMICS

- trodynamics
- tromagnetism
- uctance
- y currents
- d theory
- ıt
- tromagnetic wave propagation
- tmosphere
- nosphere
- aveguides
- tromagnetic waves
- diators
- raction
- lection
- ttering
- orption
- tromagnetic oscillations
- ctra, r.f.
- mic radiation, r.f.
- , radiation, r.f.
- liation, theory

MAGNETIC EFFECTS

- gneto-electric effects
- l effect
- gneto-mechanical effects
- omagnetic effect
- gnetostriction
- gneto-optical effects
- gneto-thermal effects
- gnetochemistry
- man effect
- restrial magnetism

THEORY OF SOLID STATE

- ds, theory
- stals, lattice dynamics
- ntum theory

MOLECULAR STRUCTURE

- ecules
- mensions
- pole moment
- ssociation energies
- citation
- ternal mechanics
- energy levels
- nuclear coupling
- ysical structure
- laxation
- tra
- ecular beams

OMIC STRUCTURE. ISOTOPES

- ms
- citation
- agnetic moment
- ructure
- stants, atomic
- mic beams
- zation potential

- Nucleus
  - electric moment
  - energy levels
  - magnetic moment
  - spin
  - theory
- Nuclear magnetic resonance
- Spin-lattice coupling
- Nuclear forces
  - scattering

- Atomic mass
- Atomic volume
- Elements
  - origin
  - relative abundances
- Isotopes
  - detection
  - relative abundances
- Mass spectra
- Isotope separation
- Mass spectrometers
  - accessories
  - application

RADIOACTIVITY. α-, β-, γ-RAYS

- Radioactivity
  - decay periods
  - decay schemes
  - electron capture
  - protection
- Radioactive disintegration theory
- Radioactivity measurement
- Radioactive tracers

- Alpha rays
  - absorption
  - detection
  - effects
  - scattering
- Alpha-ray spectra
- Alpha-ray spectrometers
- Beta rays
  - measurement
- Beta-ray spectra
- Beta-ray spectrometers
- Gamma rays
  - internal conversion
- Gamma-ray spectra
- Gamma-ray spectrometers

NUCLEAR REACTIONS

- Nuclear excitation
- Nuclear forces
  - scattering
- Nuclear reactions
- Nuclear reactions, chemical effects
- Thermonuclear reactions
- Nuclear fission
  - products
- Nuclear fission reactors

- Counters
- Ionization chambers
- Cloud chambers
- Photography, particle tracks
- Collision processes
- Radiochemistry
- Chemical effects of radiations
- Biological effects of radiations

ATOM AND MOLECULE BEAMS. MESONS. NEUTRONS

- Atomic beams
- Molecular beams
- Fundamental particles
- Scattering
- Particle accelerators

- Neutrons
  - absorption
  - detection
  - diffusion
  - polarization
  - production
  - reflection
  - refraction
  - scattering
    - proton-neutron
- Neutron diffraction
- Neutrino

- Mesons
  - absorption
  - decay
  - mass
  - production
  - scattering
- Field theory, meson field
- Protons
  - scattering
- Deuterons
  - scattering
- Electrons
  - radiation
  - scattering
- Electron theory

STRUCTURE OF SOLIDS

- Solids
  - structure
  - theory
- Plasticity
- Surface texture
- Fracture
- Vitreous state
- Granular structure
- Particle size
- Area measurement, porous substances
- Fibres
- Porosity
- Permeability
- Swelling
- Diffusion, solids
- Films, solid
- Solid solutions
- Electron diffraction examination
- Electron microscope examination
- X-ray examination of materials

ELASTICITY. STRENGTH. RHEOLOGY

- Elasticity
- Elastodynamics
- Elastic constants
- Photo-elasticity
- Stress-strain relations
- Elastic limit
- Elastic losses
- Elastic deformations
- Plastic deformations
- Plastic flow
- Plasticity
- Slip
- Compressibility
- Elastic fatigue
- Elastic relaxation
- Creep

- Mechanical strength
- Breaking strength
- Fracture
- Adhesion
- Abrasion
- Hardness
- Work hardening
- Stresses, internal

- Rheology
- High pressure effects
- Friction

PHYSICAL CHEMISTRY

- Phase equilibrium

- Exchanges, chemical
- Reaction kinetics
- Reaction rates
- Chemical reactions
- Heat of reaction
- Explosions
- Combustion
- Catalysis
- Catalysts

- Electrochemistry
  - electrodes
- Conductivity, electrolytic
- Ions, electrolytic
- Ion velocity, electrolytic
- Electrodeposition
- Dissociation
- Heat of dissociation
- *p*H

- Chemical effects of radiation
- Photochemistry

- Colloids
- Thixotropy
- Sols
- Gels
- Emulsions
- Suspensions
- Aerosols
- Foams
- Particle size
- Centrifuges
- Sedimentation, colloids

- Adsorption
- Adsorbed layers
- Heat of adsorption
- Chromatography
- Phase transformations

- Atomic weight
- Molecular weight determination
- Periodic system
- Elements
  - chemical properties
  - relative abundances
- Bonds
- Valency
- Parachor

- Chemical structure
  - optical, magnetic, etc., effects
- Stereochemistry
- Magnetochemistry
- Polymers
- Polymerization
- Isomerism
- Isomerization

- Laboratory apparatus
- Distillation
- Chemical reactions
- Chemical technology
- Oxidation
- Combustion
- Explosions

- Chemical analysis
  - adsorption
  - polarographic
  - positive rays
  - radioactive
  - X-rays
- Moisture
- Gas analysis
- Spectrochemical analysis

CRYSTALLOGRAPHY

- Crystallography, mathematical
- Crystals
  - electron states
  - faces
  - growth
  - imperfections
  - lattice dynamics
  - orientation
  - twinning
- Crystal chemistry

- Crystal properties
  - electrical
  - magnetic
  - mechanical
  - optical
  - thermal
- Counters, crystal
- Crystallization
- Polymorphism
- Crystal structure
  - molecular

- X-ray crystallography
  - analytical methods
  - apparatus
  - technique
- X-ray examination of materials
- Electron diffraction crystallograp
- Electron diffraction examination
- Electron microscope examination
- Mineralogy

GEOPHYSICS

- Geophysics
- Geodesy
- Gravity

- Seismic waves
- Seismographs

- Terrestrial electricity
- Terrestrial magnetism
- Compasses
- Magnetic storms

- Earth
  - age
  - composition
  - heat
  - rotation
- Geophysical prospecting

- Oceanography
- Tides
- Seawater
- Rivers

ATMOSPHERE. METEOROLOGY

- Meteorological instruments
- Hygrometers
- Anemometers
- Barometers
- Weather forecasting

- Atmosphere
  - composition
  - humidity
  - movements
  - structure
  - temperature
  - thermodynamics
- Atmospheric pressure
- Humidity
- Ionosphere
- Ionosphere measuring apparatus
- Ionization
  - atmosphere
- Atmospheric disturbances
- Thunderstorms
- Magnetic storms

- Sunlight
- Sky brightness

- Wind
- Clouds

- Snow
- Ice
- Rainfall
- Fog
- Evaporation
- Climatology

- Atmospheric optics
- Night sky
- Twilight
- Atmospheric electricity
- Aurora
- Lightning
- Atmospheric acoustics

BIOLOGY

ogical technique and instruments
trobiology
ogical effects of radiation
logy
iology
hysics

Blood
Vision
Colour vision
Hearing
Ear
Speech

MEDICAL SCIENCE
Medical science
Phototherapy
Radiotherapy
Radiography
Hygiene
Radioactivity, protection
X-rays, protection

PHOTOGRAPHY

ography
plications
lour
gh speed
rticle tracks
es

Cameras
Photographic light sources
Photographic materials
  sensitivity
Photographic process
  development

Photogrammetry
Densitometry
Radiography
  accessories
  microradiography
Cinematography

MATERIALS

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tz
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Glass-metal seals
Optical materials
Ceramics
Fibres
Rubber

Metallurgy
Metals
Alloys
Steel